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## NiceZyme View of ENZYME: EC 5.4.99.16

Official Name	
Maltose alpha-D-glucosyltransferase.	
Alternative Name(s)	
Trehalose synthase. Maltose glucosylmutase.	
Reaction catalysed	
Maltose <=> alpha, alpha-trehalose	
Cross-references	
BRENDA	<a href="#">5.4.99.16</a>
EMP/PUMA	<a href="#">5.4.99.16</a>
WIT	<a href="#">5.4.99.16</a>
KYOTO UNIVERSITY LIGAND CHEMICAL DATABASE	<a href="#">5.4.99.16</a>
IUBMB Enzyme Nomenclature	<a href="#">5.4.99.16</a>
MEDLINE	Find literature relating to <a href="#">5.4.99.16</a>
Swiss-Prot	<a href="#">P72235</a> , TRES_PIMSR; <a href="#">O06458</a> , TRES_THETH;

*[View entry in original ENZYME format](#)*

If you would like to retrieve all the Swiss-Prot entries referenced in this entry, click [here](#).

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# Search in ENZYME for: trehalose synthase

Release 30, March 2003, and updates up to 06-Mar-2003

Please choose one of the following entries:

- 2.4.1.15      Alpha, alpha-trehalose-phosphate synthase (UDP-forming).  
(AN: UDP-glucose-glucosephosphate glucosyltransferase.  
Trehalosephosphate-UDP glucosyltransferase.  
Trehalose-6-phosphate synthase.  
Trehalose-6-phosphate synthetase.  
Trehalose-phosphate synthase.  
Trehalose-phosphate synthetase.  
Transglucosylase.  
Trehalosephosphate-UDP glucosyl transferase.)
- 2.4.1.36      Alpha, alpha-trehalose-phosphate synthase (GDP-forming).  
(AN: GDP-glucose-glucosephosphate glucosyltransferase.  
Trehalose phosphate synthase (GDP-forming).)
- 5.4.99.15      (1,4)-alpha-D-glucan 1-alpha-D-glucosylmutase.  
(AN: Malto-oligosyltrehalose synthase.  
Maltodextrin alpha-D-glucosyltransferase.)
- 5.4.99.16      Maltose alpha-D-glucosyltransferase.  
(AN: Trehalose synthase.  
Maltose glucosylmutase.)

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